

*Dist D17*  
119. ~~(new)~~ The polypeptide of claim 118, comprising amino acids -26 to 233 of  
SEQ ID NO. 2.

120. (new) The polypeptide of claim 117, which is produced by a recombinant host cell.

121. (new) The polypeptide of claim 120, wherein said recombinant host cell is a eukaryotic host cell.

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122. (new) The polypeptide of claim 117, further comprising a heterologous polypeptide.

123. (new) The polypeptide of claim 122, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

124. (new) The polypeptide of claim 123, wherein said Fc region is a human immunoglobulin Fc region.

125. (new) A composition comprising the polypeptide of claim 117, and a carrier.

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126. (new) The polypeptide of claim 117 wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

127. (new) An isolated polypeptide comprising an amino acid sequence at least 90% identical to amino acids 1 to 233 of SEQ ID NO:2; wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

128. (new) The polypeptide of claim 127, wherein the amino acid sequence is at least 95% identical to amino acids 1 to 233 of SEQ ID NO:2.

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129. (new) The polypeptide of claim 127, which is produced by a recombinant host cell.

130. (new) The polypeptide of claim 129, wherein said recombinant host cell is a eukaryotic host cell.

131. (new) The polypeptide of claim 127, further comprising a heterologous polypeptide.

132. (new) The polypeptide of claim 131, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

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133. (new) The polypeptide of claim 132, wherein said Fc region is a human immunoglobulin Fc region.

134. (new) A composition comprising the polypeptide of claim 127, and a carrier.

135. (new) An isolated polypeptide comprising an amino acid sequence at least 90% identical to amino acids -25 to 233 of SEQ ID NO:2; wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

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136. (new) The polypeptide of claim 135, wherein the amino acid sequence is at least 95% identical to a polypeptide comprising amino acids -25 to 233 of SEQ ID NO:2.

137. (new) The polypeptide of claim 135, which is produced by a recombinant host cell.

138. (new) The polypeptide of claim 137, wherein said recombinant host cell is a eukaryotic host cell.

139. (new) The polypeptide of claim 135, further comprising a heterologous polypeptide.

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140. (new) The polypeptide of claim 139, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

141. (new) The polypeptide of claim 140, wherein said Fc region is a human immunoglobulin Fc region.

142. (new) A composition comprising the polypeptide of claim 135, and a carrier.

B2 143. (new) An isolated polypeptide comprising an amino acid sequence at least 90% identical to amino acids -26 to 233 of SEQ ID NO:2; wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

144. (new) The polypeptide of claim 143, wherein the amino acid sequence is at least 95% identical to a polypeptide comprising amino acids -26 to 233 of SEQ ID NO:2.

145. (new) The polypeptide of claim 143, which is produced by a recombinant host cell.

146. (new) The polypeptide of claim 145, wherein said recombinant host cell is a eukaryotic host cell.

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147. (new) The polypeptide of claim 143, further comprising a heterologous polypeptide.

148. (new) The polypeptide of claim 147, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

149. (new) The polypeptide of claim 148, wherein said Fc region is a human immunoglobulin Fc region.

150. (new) A composition comprising the polypeptide of claim 143, and a carrier.

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151. (new) An isolated polypeptide comprising the amino acid sequence of the mature TNFR5 (Tumor Necrosis Factor Receptor-5) encoded by the cDNA clone contained in ATCC Deposit No. 97788.

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152. (new) The isolated polypeptide of claim 151, comprising complete TNFR5 encoded by the cDNA clone contained in ATCC Deposit No. 97788.

153. (new) The polypeptide of claim 151, which is produced by a recombinant host cell.

154. (new) The polypeptide of claim 153, wherein said recombinant host cell is a eukaryotic host cell.

155. (new) The polypeptide of claim 151, further comprising a heterologous polypeptide.

156. (new) The polypeptide of claim 155, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

157. (new) The polypeptide of claim 156, wherein said Fc region is a human immunoglobulin Fc region

158. (new) A composition comprising the polypeptide of claim 151, and a carrier.

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159. (new) The polypeptide of claim 151, wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

160. (new) An isolated polypeptide comprising an amino acid sequence at least 90% identical to the amino acid sequence of the mature TNFR5 encoded by the cDNA clone contained in ATCC Deposit No. 97788; wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

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161. (new) The polypeptide of claim 160, wherein the amino acid sequence is at least 95% identical the amino acid sequence of the mature TNFR5 encoded by the cDNA clone contained in ATCC Deposit No. 97788.

162. (new) The polypeptide of claim 160, which is produced by a recombinant host cell.

163. (new) The polypeptide of claim 162, wherein said recombinant host cell is a eukaryotic host cell.

164. (new) The polypeptide of claim 160, further comprising a heterologous polypeptide.

165. (new) The polypeptide of claim 164, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

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166. (new) The polypeptide of claim 165, wherein said Fc region is a human immunoglobulin Fc region.

167. (new) A composition comprising the polypeptide of claim 160, and a carrier.

168. (new) An isolated polypeptide comprising an amino acid sequence at least 90% identical to the amino acid sequence of the complete TNFR5 encoded by the cDNA clone contained in ATCC Deposit No. 97788; wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID

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NO:2.

169. (new) The polypeptide of claim 168, wherein the amino acid sequence is at least 95% identical the amino acid sequence of the complete TNFR5 encoded by the cDNA clone contained in ATCC Deposit No. 97788.

170. (new) The polypeptide of claim 168, which is produced by a recombinant host cell.

171. (new) The polypeptide of claim 170, wherein said recombinant host cell is a eukaryotic host cell.

172. (new) The polypeptide of claim 168, further comprising a heterologous polypeptide.

173. (new) The polypeptide of claim 172, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

174. (new) The polypeptide of claim 173, wherein said Fc region is a human immunoglobulin Fc region.

175. (new) A composition comprising the polypeptide of claim 168, and a carrier.

176. (new) An isolated polypeptide comprising 30 contiguous amino acids from amino acids 1 to 233 of SEQ ID NO:2; wherein said 30 contiguous amino acids bind an



antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

177. (new) The polypeptide of claim 176 comprising 50 contiguous amino acids from SEQ ID NO:2

178. (new) The polypeptide of claim 176, which is produced by a recombinant host cell.

179. (new) The polypeptide of claim 178, wherein said recombinant host cell is a eukaryotic host cell.

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180. (new) The polypeptide of claim 176, further comprising a heterologous polypeptide.

181. (new) The polypeptide of claim 180, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

182. (new) The polypeptide of claim 181, wherein said Fc region is a human immunoglobulin Fc region.

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183. (new) A composition comprising the polypeptide of claim 176, and a carrier.

184. (new) An isolated polypeptide comprising 50 contiguous amino acids from -26 to 233 of SEQ ID NO:2; wherein said 50 contiguous amino acids bind an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

185. (new) The polypeptide of claim 184, which is produced by a recombinant host cell.

186. (new) The polypeptide of claim 185, wherein said recombinant host cell is a eukaryotic host cell.

187. (new) The polypeptide of claim 184, further comprising a heterologous polypeptide.

188. (new) The polypeptide of claim 187, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

189. (new) The polypeptide of claim 188, wherein said Fc region is a human immunoglobulin Fc region.

190. (new) A composition comprising the polypeptide of claim 184, and a carrier.

191. (new) An isolated polypeptide comprising a first amino acid sequence at least

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90% identical to a second amino acid sequence selected from the group consisting of:

- (a) amino acids m to 233 of SEQ ID NO:2, where m is an integer in the range of -26 to 27;
- (b) amino acids -26 to x of SEQ ID NO:2, where x is an integer in the range of 123 to 233; and
- (c) amino acids m to x of SEQ ID NO:2, m and x are defined in (a) and (b) above;

wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

192. (new) The polypeptide of claim 191, wherein said second amino acid sequence is (a).

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193. (new) The polypeptide of claim 192, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

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194. (new) The polypeptide of claim 192, wherein the first amino acid is (a).

195. (new) The polypeptide of claim 194, which comprises amino acids 27 to 233 of SEQ ID NO:2.

196. (new) The polypeptide of claim 191, wherein said second amino acid sequence is (b).

197. (new) The polypeptide of claim 196, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

*But D87*

198. (new) The polypeptide of claim 196, wherein the first amino acid is (b).

199. (new) The polypeptide of claim 198 which comprises amino acids -26 to 123 of SEQ ID NO:2.

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200. (new) The polypeptide of claim 191, wherein said second amino acid is (c).

201. (new) The polypeptide of claim 200, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

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202. (new) The polypeptide of claim 197, wherein said first amino acid is (c).

*But D197*

203. (new) The polypeptide of claim 198, which comprises amino acids 27 to 123 of SEQ ID NO:2.

204. (new) The polypeptide of claim 191, which is produced by a recombinant host cell.

205. (new) The polypeptide of claim 204, wherein said recombinant host cell is a eukaryotic host cell.

206. (new) The polypeptide of claim 191, further comprising a heterologous polypeptide.

207. (new) The polypeptide of claim 206, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

208. (new) The polypeptide of claim 207, wherein said Fc region is a human immunoglobulin Fc region.

209. (new) A composition comprising the polypeptide of claim 191, and a carrier.

B2 210. (new) An isolated polypeptide selected from the group consisting of:

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- (a) a polypeptide comprising 50 contiguous amino acids of the complete TNFR5 amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97788;
  - (b) a polypeptide comprising 30 contiguous amino acids of the mature TNFR5 amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97788;
  - (c) a polypeptide comprising 30 contiguous amino acids of the extracellular domain of TNFR5 amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97788; and
  - (d) a polypeptide comprising the transmembrane domain of TNFR5 amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97788;

210. (new) wherein said polypeptide binds an antibody with specificity for a reference polypeptide consisting of amino acids 1 to 233 of SEQ ID NO:2.

211. (new) The polypeptide of claim 210 which is (a).

212. (new) The polypeptide of claim 210 which is (b).

213. (new) The polypeptide of claim 210 which is (c).

214. (new) The polypeptide of claim 210 which is (d).

215. (new) The polypeptide of claim 210, which is produced by a recombinant host cell.

216. (new) The polypeptide of claim 215, wherein said recombinant host cell is a eukaryotic host cell.

217. (new) The polypeptide of claim 216, further comprising a heterologous polypeptide.

218. (new) The polypeptide of claim 217, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

219. (new) The polypeptide of claim 218, wherein said Fc region is a human immunoglobulin Fc region.

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220. (new) A composition comprising the polypeptide of claim 210, and a carrier.

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